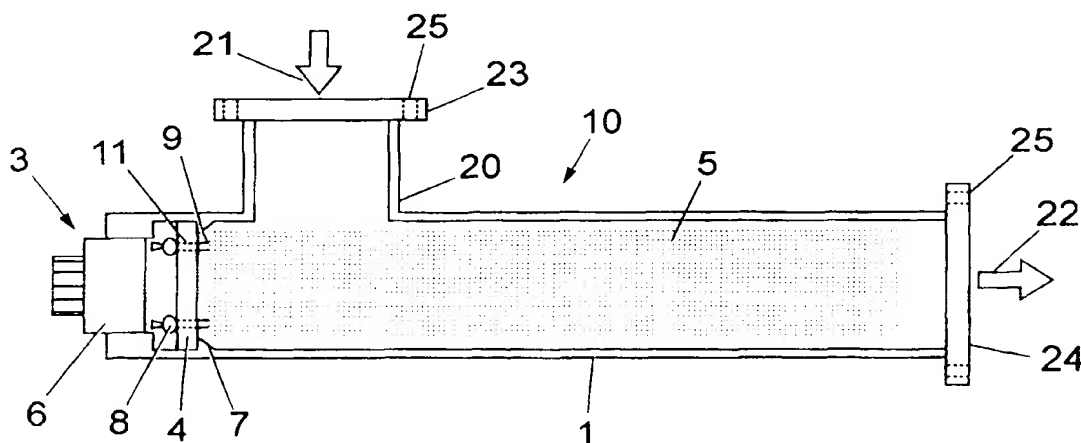




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification (C): B01D 17/04, C10G 33/06, B01D 45/08, 39/16</p>	<p>A1</p>	<p>(11) International Publication Number: WO 00/00261</p> <p>(43) International Publication Date: 6 January 2000 (06.01.00)</p>
<p>(21) International Application Number: PCT GB99/02029</p> <p>(22) International Filing Date: 28 June 1999 (28.06.99)</p> <p>(30) Priority Data: 9813864.7 27 June 1998 (27.06.98) GB</p> <p>(71) Applicant (for all designated States except US): ERT LIMITED [GB/GB]: Orkney Water Technology Centre, Flotta, Stromness, Orkney KW16 3NP (GB).</p> <p>(72) Inventor; and (75) Inventor/Applicant (for US only): TURNBULL, Robert, William [GB/GB]: 8 River Walk, Dalgety Bay, Fife KY11 5YF (GB).</p> <p>(74) Agent: MURGITROYD & COMPANY: 373 Scotland Street, Glasgow G5 8QA (GB).</p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SI, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p>

(54) Title: COALESCER



(57) Abstract

A two phase liquid media coalescer comprises a chamber such as a pipe (1) which may be fitted into a process system by way of pressure sealable fittings (23, 24). Contained within the chamber is a coalescent media (5) manufactured from fibres of polypropylene or other material. One end of the fibres may be secured to a media retaining plate (4). The fibres extend through the chamber in the direction of flow and are free at their other end. A two phase liquid enters the pipe and contacts the surface area of the fibres while passing through, thereby forming droplets of the minority phase of the liquid on the fibres.